

COATED FERROMAGNETIC PARTICLES AND COMPOSITE MAGNETIC ARTICLES THEREOF

Abstract of Disclosure

A coated ferromagnetic particle comprises a ferromagnetic core and a coating. The coating comprises a residue resulting from a thermal treatment of a coating material comprising a polymer selected from the group consisting of polyorganosiloxanes, polyorganosilanes, and mixtures thereof. A composite magnetic article comprises a compacted and annealed article of a desired shape. The composite magnetic article comprises a plurality of coated ferromagnetic articles. Each coated ferromagnetic particle comprises a ferromagnetic core and a coating. The coating comprises a residue resulting from a thermal treatment of a coating material comprising a polymer selected from the group consisting of polyorganosiloxanes, polyorganosilanes, and mixtures thereof.

Figures

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